

ABSTRACT

[066] A method and system for decoding a biphasemark input stream is disclosed. Aspects of the present invention include receiving an external biphasemark input stream by a receiver module; recovering timing information from the input stream; decoding the input stream to generate decoded data and storing the decoded data in a data buffer; reading, by an audio out module, the decoded data from the data buffer at a rate determined by a programmable clock; using the timing information from the receiver module to calculate a sampling frequency of the input stream; and adjusting a frequency of the programmable clock to substantially match the sampling frequency so that the audio out module reads the decoded from the buffer at substantially the same rate that the receiver module inputs the decoded data into the data buffer.